



Technical Data Sheet

SLIP Plate® No. 1

Heavy-Duty, Graphite Dry Film Lubricant

Product Description:

SLIP Plate® No. 1 is the original graphite dry lubricant in the market used to solve sliding friction problems since 1975. The formulated product has a very high concentration of friction fighting graphite, with a proprietary binder system. This provides a long-lasting, dry lubricant for the heaviest loads. When applied and dried, SLIP Plate No. 1 does not attract and trap dust, dirt, mud, or grit, as compared with greases and oils. Naturally hydrophobic, it provides lasting protection from rain, snow and mud to help prevent rust and corrosion. SLIP Plate is excellent for reducing wear and extending the operating life of machinery.



Product Characteristics:

Physical Properties	Typical Range
Carrier:	Solvent
Color:	Grey
Fluid Consistency	Thick
Measured Viscosity; cps	> 2000
Bulk Density, LB/Gallon	8.5-9.5
Flash Point,	>105°F (>40.6°C)
Dry Time (tack-free), min	60-90 @ 70°F (21.1°C)
Dry Time (complete), hrs	8 @ 70°F (21.1°C)
Average Application Coverage, ft ² /gallon	200
Effective Temperature Range, (Minimum)	-75°F (-59.4°C)
Effective Temperature Range, (Maximum)	450°F (232.2°C)
Suggested Application Ambient Temperature Range	50 - 100°F (10 . 37.8°C)
Suggested Dilution Ratio	Not Recommended
Suggested Dilutant/Cleaner:	Mineral Spirits
Shelf Life under original seal	24 Months

Advantages:

- High concentration of graphite creates a slick, non-stick surface . ideal for build up areas . that stays slippery even in extreme temperatures
- Dry film technology creates a smooth, even surface
- Will not attract or trap dirt or grit, reducing wear and extending operating life
- Hydrophobic . Graphite coating is not attracted to rain and snow
- Graphite is a natural mineral and environmentally safe lubricant



Technical Data Sheet

SLIP Plate® No. 1

Heavy-Duty, Graphite Dry Film Lubricant

Preparation & Application:

- **Stir material prior to use.** It is important to properly stir the material with a hand stir stick or paint mixer. It is normal for the material to settle during transportation, and it may take some time to mix by hand. Paint mixers that are attached to a standard drill will speed up this process.
- **Prepare your surface.** The most important part of the coating process is proper surface preparation. Remove any loose debris, mud, paint, rust or grit with a high pressure water cleaner, scraper, or wire brush. Use a solvent such as an aerosol brake cleaner to remove any residual petroleum or grease from previous application.
- **Apply by brush, roller, dipping, or airless spray equipment.** Apply material as you would for any normal paint job. Material, when applied by brush, should have a film thickness of 5 to 7 mil. When applied by airless spray equipment, the film thickness should be 4 to 7 mil. When applied by roller, the film thickness will be 3 to 6 mil.
- **Allow coated surface to dry a minimum of 8 hours between coats in a well-ventilated area.** For extreme wear applications, apply two coats, but it is recommended that the first coating is allowed to dry at least 8 hours. Allow additional time for high humidity and low temperature conditions.
- Surface temperature should be 50-100°F (10-37.8°C) at application. **Application of this product to very hot (>300°F) or cold surfaces (<20°F) is not recommended, as this will affect the bonding performance of the product. Once dry, the dry film coating will not be affected by temperature extremes.**

Clean-Up Instructions:

- **Clean up material with soap and water or as you would with typical house-type paint.** Material, once dry, will be very difficult to remove from painting equipment. If removal is required after coating has dried, use of paint thinner, VM&P Naphtha, or similar solvent-based cleaner is advised. Note that these chemicals may damage underlying painted surfaces.

Storage and Handling Information:

- **DO NOT FREEZE.** Product must be stored above 32°F.
- Store away from excessive heat and keep in original packaging.
- Material is black, or silver-gray in some instances, and these color variations are normal. Keep away from light colored clothing.
- Graphite is electrically conductive and may lead to electrical shorts and damage. Please be careful working with this product around electricity or sensitive electrical equipment.



Technical Data Sheet

SLIP Plate® No. 1

Heavy-Duty, Graphite Dry Film Lubricant

Please consult the SDS for additional information on disposal of unused materials, and safe handling practices.

ORDERING/SHIPPING INFORMATION		
AVAILABLE PACKAGING (product ordering code)	Six-1 Quart Cans:	Part #33005OS
	Four-1 Gallon Cans:	Part #33015OS
	Five (5) Gallon Pail:	Part #33008
CASE SHIPPING WEIGHT (kilograms)	Six-1 Quart Cans:	17 LB (7.7)
	Four-1 Gallon Cans:	41 LB (18.6)
	Five (5) Gallon Pail:	48 LB (21.8)